

FIG. 1 (PRIOR ART)

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| (doo) | Cache | (× |
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| Iı(branch | I2 I3(Not in | Memory |

 C_8

 C_7

 C_6

 C_5

 C_4

12

12

Decode

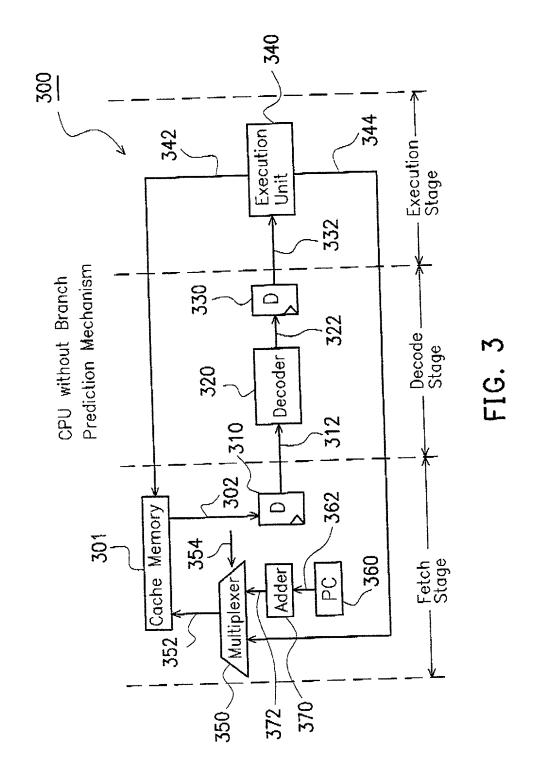
Fetch

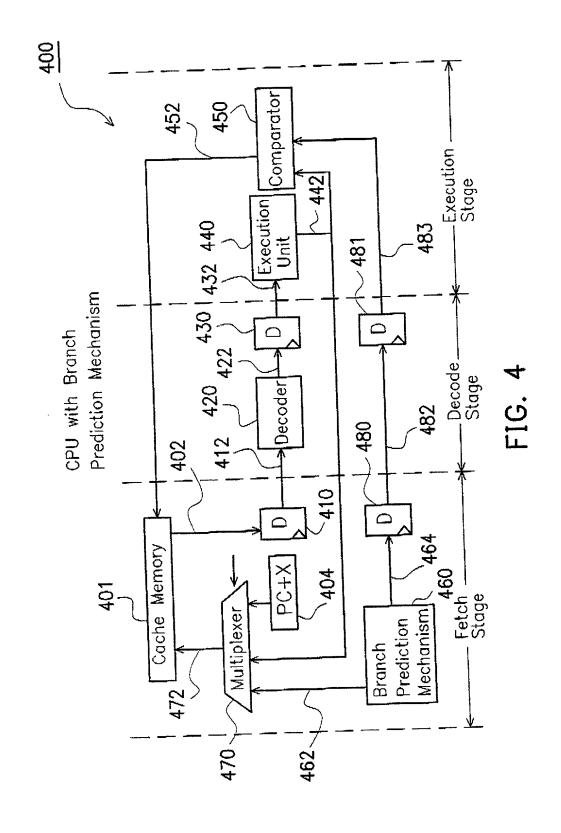
| I10 | 111 | 112 |
|------|-----|-----|
| Loop | | |

Execute

FIG. 2B







| • | C1 | C2 | C3 | C4 | C_5 | C_6 | |
|---------|----|----|-----|------|-----------|-------|--|
| Fetch | | 12 | 13 | I 10 | I 10 I 11 | I 12 | |
| Decode | | Ī | I 2 | I3 | I 10 | I 11 | |
| Execute | | | Ĭ1 | 12 | I 3 | I 10 | |

FIG. 5